

Title (en)

Hinge fitting for tilt and turn windows or doors

Title (de)

Scharnierbeschlag für Dreh-Kipp-Fenster oder -Türen

Title (fr)

Ferrure de charnière pour fenêtre ou porte pivotante et basculante

Publication

EP 1531226 A3 20090128 (DE)

Application

EP 04105075 A 20041015

Priority

DE 20317592 U 20031113

Abstract (en)

[origin: EP1531226A2] A hinge mechanism allows for a door or window to swing open and shut within the surrounding frame, or tilt open/shut for ventilation. The hinge assembly has one part attached to the moving frame, linked by a pivot (1) to the fixed outer door or window frame. The main bearing pin (1) esp. has a Z-shaped base with a radial shoulder (9) which engages in a matching socket in the bush (24) above. The pin (1) base (7) further engages with a block (13) and socket (8) in the hinge body (5) below.

IPC 8 full level

E05D 15/52 (2006.01)

CPC (source: EP)

E05D 5/10 (2013.01); **E05D 5/16** (2013.01); **E05D 15/5214** (2013.01); **E05D 2005/106** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

- [XY] DE 7702766 U1 19770714
- [DYA] EP 1074687 A2 20010207 - EUROINVEST S R L [IT]
- [YA] EP 0421126 A1 19910410 - SIEGENIA FRANK KG [DE]
- [Y] DE 9013378 U1 19901213

Cited by

EP1983133A1; FR3044698A1; BE1016962A3; DE102008004356A1; DE102008004356B4; WO2019235926A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1531226 A2 20050518; EP 1531226 A3 20090128; EP 1531226 B1 20100331; AT E462858 T1 20100415; DE 20317592 U1 20040212; DE 502004010966 D1 20100512; ES 2340035 T3 20100528

DOCDB simple family (application)

EP 04105075 A 20041015; AT 04105075 T 20041015; DE 20317592 U 20031113; DE 502004010966 T 20041015; ES 04105075 T 20041015